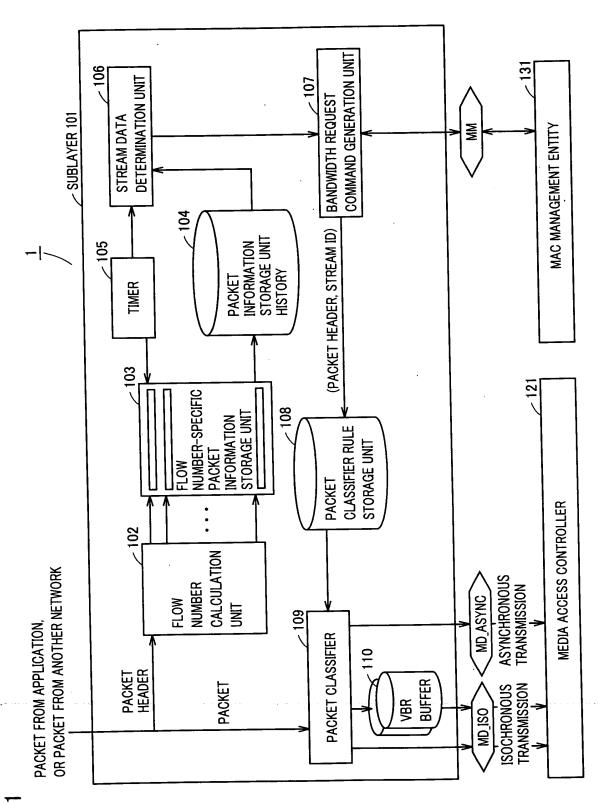
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FIG.2

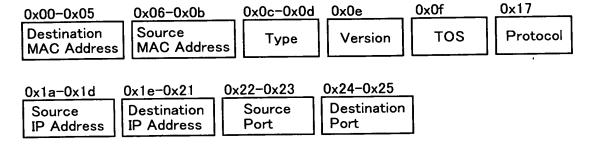


FIG.3A

```
byte[] head; //STORE PACKET HEADER
public int hashCode()
{
    int h = 0;
    for(int i = 0;i < head.length; i++) {
        h = 37 * h + (head[i] & 0xff);
    }
    return h;
}</pre>
```

FIG.3B

```
public int flownum()
{

//LOW-ORDER 8 BITS OF HASH CODE

return hashCode() & 0xff;
}
```

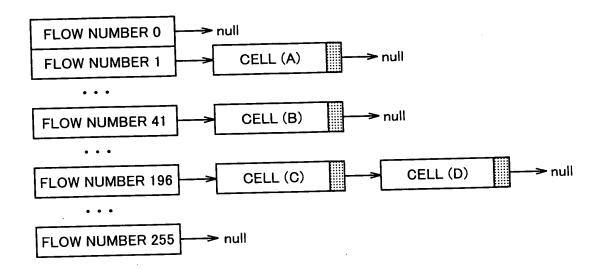
Inventor: Yusuke YAMADA Title: TRANSMISSION DEVICE

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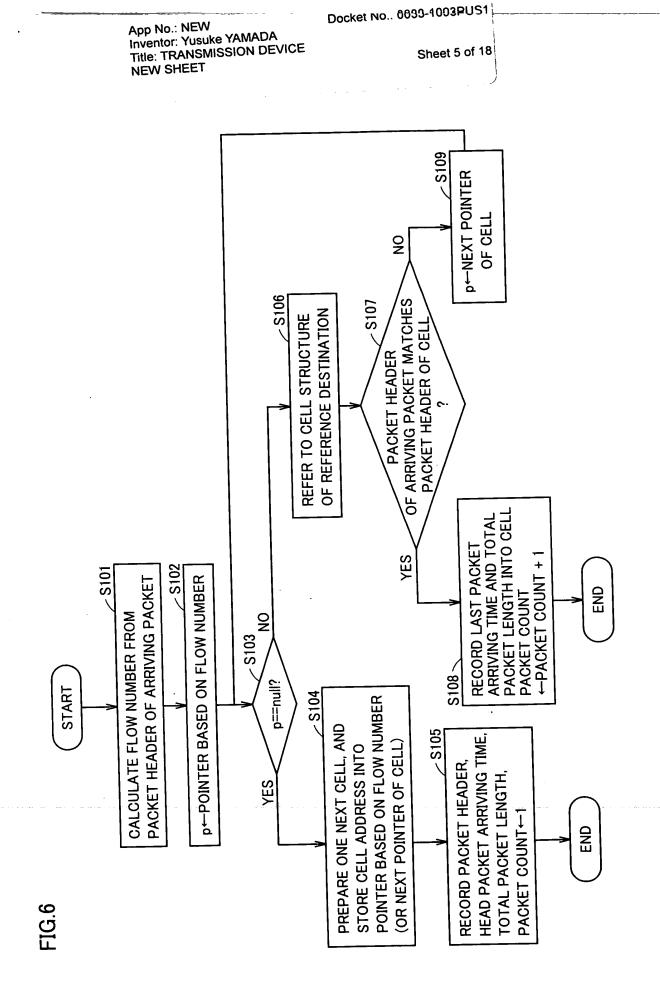
FIG.4



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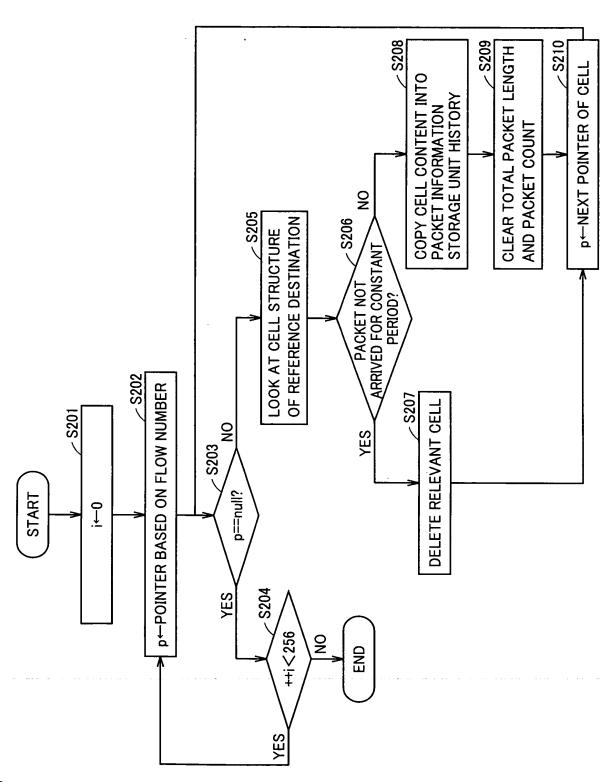
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NEXT POINTER PACKET COUNT TOTAL PACKET LENGTH ARRIVING TIME LAST PACKET HEAD PACKET ARRIVING TIME PACKET HEADER



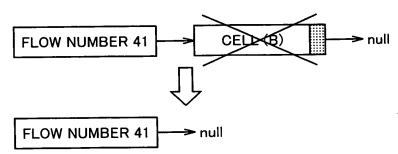
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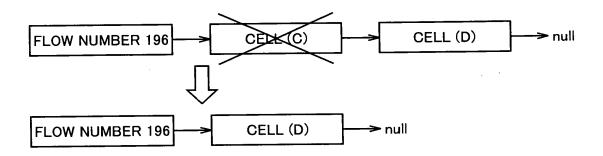
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FIG.8





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FIG.9

time(ms)	F3		F	1	\neg	
20	13	0		20960	00	
40	_	0	_	83840	_	
60		0	·	23360	_	
80		0		44320	_	
100	-	8335		04800		
120	 -	0		44320	_	
140		0	_	46720		
160		8335		8384		
180	<u> </u>	8335	4	2336	00	
200	†	0	-	0480		
220	1	0	5	4432	00	
240	†	0	1	8384	00	
260		0	1	8384	00	
280	T	0	5	4432	00	
300	+	0	1	54432	00	
320		0	4	18384	00	
340	_	8335	1	48384	00	
360		0	,	54432	200	
380		0		24192	200	
400		8335		72576	006	
420)	0		48384	100	
440	5	8335	\perp	54432	200	
460		0		<u> 48384</u>	400	
480	5	0	1	4233	000]
500	0	5872	2	6048	000	
520	0	2463	_	4838		1
540	0	5872	_	3024		
56	0	2463	3	7862		1
58	0	()	3628		1
60	0	(<u>)</u>	6048	000	1
Į T					;	T T
376	0	838	9	5443	200	
378			0	4838	400	
380			0	5443	200	Ŋ
382			0	3628	3800	
384			0	6652	2800)
386	_		0	4838	3400)]
388		833	5	4838	3400	<u>၂</u>
390	00		0	5443		
392		833	5	3628		_
394	40		0	604		_
390	60	(544		_
398	80	8335		544		_
40	00			483	840	0

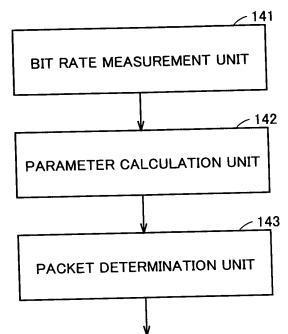
Inventor: Yusuke YAMADA
Title: TRANSMISSION DEVICE

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FIG.10



TO BANDWIDTH REQUEST COMMAND GENERATION UNIT 107

Inventor: Yusuke YAMADA
Title: TRANSMISSION DEVICE

NEW SHEET

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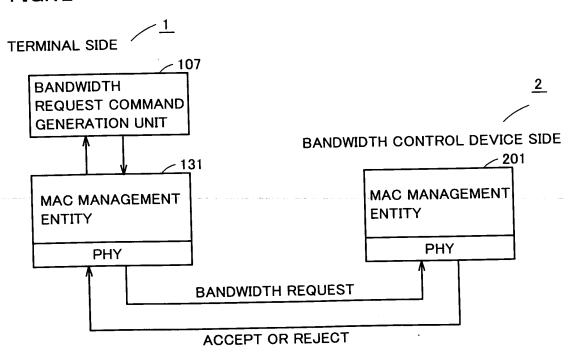
FIG.11A

F3	AVERAGE	2587.925
	STANDARD DEVIATION	3300.3898193054406
	COEFFICIENT OF VARIATION	1.2753035035039424
	MAXIMUM/AVERAGE	3.2415931682718777

FIG.11B

F4	AVERAGE	5092416.0	
	STANDARD DEVIATION	1135285.4794033086	
	COEFFICIENT OF VARIATION	0.2229365156741532	
	MAXIMUM/AVERAGE	1.66270783847981	

FIG.12



NEW SHEET

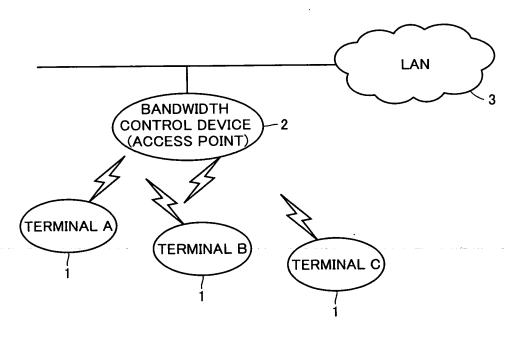
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FIG.13

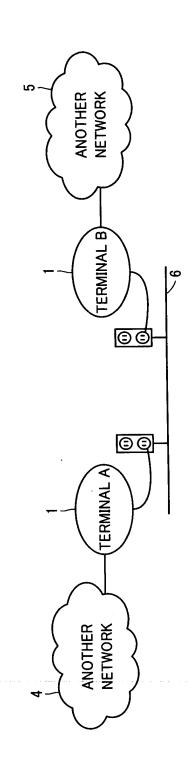
PACKET HEADER	STREAM ID	PRIORITY (OPTION)	BUFFER CAPACITY (OPTION)

FIG.14A



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FIG.15

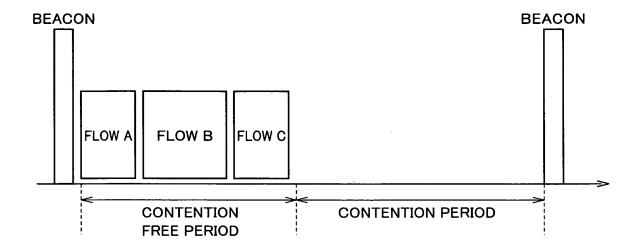
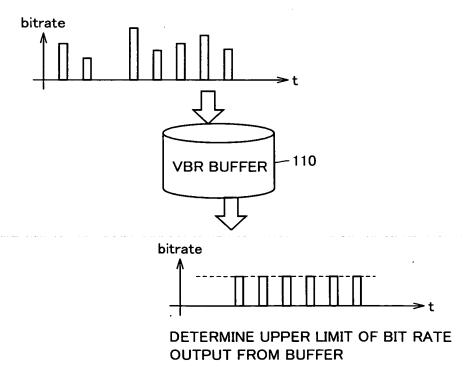
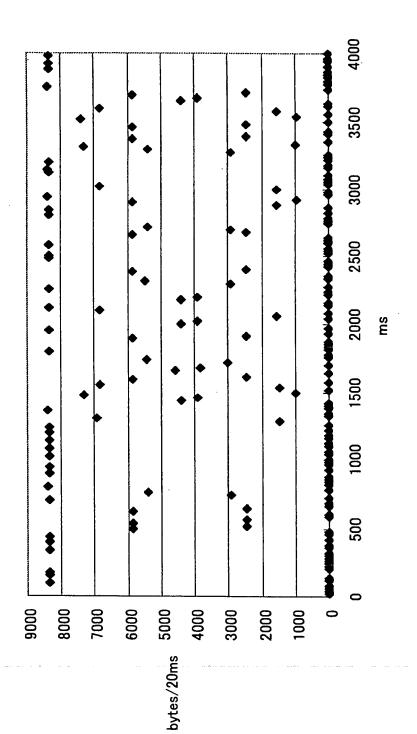


FIG.16



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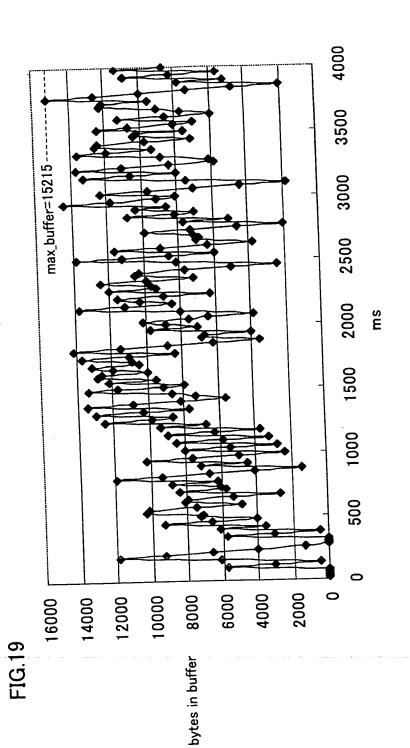
FIG.18

time(ms) in(bytes) out(bytes) 20 0 0 40 0 0 60 0 0 80 0 0 100 8335 2630 120 0 2630 140 0 2630 160 8335 2630 200 0 2630 220 0 2630 240 0 2630 240 0 2630 280 0 1335 300 0 0 320 0 0 340 8335 2630 340 8335 2630 360 0 2630 400 8335 2630 420 0 2630 440 8335 2630 440 8335 2630 440 8335 2630 480 0 2630 <th>buffer(byte)</th>	buffer(byte)
40 0 0 60 0 0 80 0 0 100 8335 2630 120 0 2630 140 0 2630 160 8335 2630 200 0 2630 220 0 2630 240 0 2630 240 0 2630 280 0 1335 300 0 0 320 0 0 340 8335 2630 360 0 2630 400 8335 2630 420 0 2630 440 8335 2630 440 8335 2630 480 0 2630 500 5872 2630 540 5872 2630 540 5872 2630 560 2463 2630	0
80 0 0 100 8335 2630 120 0 2630 140 0 2630 160 8335 2630 180 8335 2630 200 0 2630 220 0 2630 240 0 2630 260 0 2630 280 0 1335 300 0 0 320 0 0 340 8335 2630 360 0 2630 380 0 2630 400 8335 2630 420 0 2630 440 8335 2630 440 8335 2630 480 0 2630 500 5872 2630 540 5872 2630 540 5872 2630 560 2463 2630 </td <td>0</td>	0
100 8335 2630 120 0 2630 140 0 2630 160 8335 2630 180 8335 2630 200 0 2630 220 0 2630 240 0 2630 280 0 1335 300 0 0 320 0 0 340 8335 2630 360 0 2630 380 0 2630 400 8335 2630 420 0 2630 440 8335 2630 440 8335 2630 480 0 2630 500 5872 2630 540 5872 2630 540 5872 2630 560 2463 2630	0
100 8335 2630 120 0 2630 140 0 2630 160 8335 2630 180 8335 2630 200 0 2630 220 0 2630 240 0 2630 260 0 2630 280 0 1335 300 0 0 320 0 0 340 8335 2630 360 0 2630 380 0 2630 400 8335 2630 420 0 2630 440 8335 2630 440 8335 2630 480 0 2630 500 5872 2630 540 5872 2630 540 5872 2630 560 2463 2630	0
140 0 2630 160 8335 2630 180 8335 2630 200 0 2630 220 0 2630 240 0 2630 260 0 2630 280 0 1335 300 0 0 320 0 0 340 8335 2630 360 0 2630 400 8335 2630 420 0 2630 440 8335 2630 440 8335 2630 480 0 2630 500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	5705
140 0 2630 160 8335 2630 180 8335 2630 200 0 2630 220 0 2630 240 0 2630 260 0 2630 280 0 1335 300 0 0 320 0 0 340 8335 2630 360 0 2630 400 8335 2630 420 0 2630 440 8335 2630 440 8335 2630 480 0 2630 500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	3075
180 8335 2630 200 0 2630 220 0 2630 240 0 2630 260 0 2630 280 0 1335 300 0 0 320 0 0 340 8335 2630 360 0 2630 380 0 2630 400 8335 2630 420 0 2630 440 8335 2630 480 0 2630 480 0 2630 500 5872 2630 540 5872 2630 540 5872 2630 560 2463 2630	445
180 8335 2630 200 0 2630 220 0 2630 240 0 2630 260 0 2630 280 0 1335 300 0 0 320 0 0 340 8335 2630 360 0 2630 380 0 2630 400 8335 2630 420 0 2630 440 8335 2630 460 0 2630 480 0 2630 500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	6150
220 0 2630 240 0 2630 260 0 2630 280 0 1335 300 0 0 320 0 0 340 8335 2630 360 0 2630 400 8335 2630 420 0 2630 440 8335 2630 460 0 2630 480 0 2630 500 5872 2630 540 5872 2630 540 5872 2630 560 2463 2630	11855
220 0 2630 240 0 2630 260 0 2630 280 0 1335 300 0 0 320 0 0 340 8335 2630 360 0 2630 400 8335 2630 420 0 2630 440 8335 2630 460 0 2630 480 0 2630 500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	9225
240 0 2630 260 0 2630 280 0 1335 300 0 0 320 0 0 340 8335 2630 360 0 2630 380 0 2630 400 8335 2630 420 0 2630 440 8335 2630 460 0 2630 500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	6595
280 0 1335 300 0 0 320 0 0 340 8335 2630 360 0 2630 380 0 2630 400 8335 2630 420 0 2630 440 8335 2630 460 0 2630 480 0 2630 500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	3965
280 0 1335 300 0 0 320 0 0 340 8335 2630 360 0 2630 400 8335 2630 420 0 2630 440 8335 2630 460 0 2630 480 0 2630 500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	1335
320 0 0 340 8335 2630 360 0 2630 380 0 2630 400 8335 2630 420 0 2630 440 8335 2630 460 0 2630 480 0 2630 500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	0
320 0 0 340 8335 2630 360 0 2630 380 0 2630 400 8335 2630 420 0 2630 440 8335 2630 460 0 2630 480 0 2630 500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	0
340 8335 2630 360 0 2630 380 0 2630 400 8335 2630 420 0 2630 440 8335 2630 460 0 2630 480 0 2630 500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	0
360 0 2630 380 0 2630 400 8335 2630 420 0 2630 440 8335 2630 460 0 2630 480 0 2630 500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	5705
400 8335 2630 420 0 2630 440 8335 2630 460 0 2630 480 0 2630 500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	3075
420 0 2630 440 8335 2630 460 0 2630 480 0 2630 500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	445
420 0 2630 440 8335 2630 460 0 2630 480 0 2630 500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	6150
460 0 2630 480 0 2630 500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	3520
480 0 2630 500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	9225
500 5872 2630 520 2463 2630 540 5872 2630 560 2463 2630	6595
520 2463 2630 540 5872 2630 560 2463 2630	3965
540 5872 2630 560 2463 2630	7207
540 5872 2630 560 2463 2630	7040
	10282
	10115
	7485
600 0 2630	4855
<u></u>	:

8389	2630	15215
0	2630	12585
0	2630	9955
0	2630	7325
0	2630	4695
0	2630	2065
8335	2630	7770
0	2630	5140
8335	2630	10845
0	2630	8215
0	2630	5585
8335	2630	11290
0	2630	8660
	0 0 0 0 8335 0 8335 0 8335	0 2630 0 2630 0 2630 0 2630 0 2630 8335 2630 0 2630 0 2630 0 2630 0 2630 8335 2630 0 2630 8335 2630

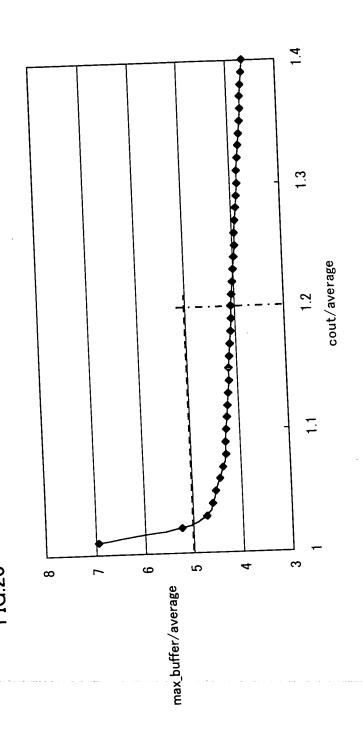
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FIG.21

